

Please amend page 1, line 3, by inserting the following sentence and heading: ✓

Q<sup>1</sup> --This application is a continuation application of international application number PCT/GB00/01897 filed May 17, 2000, the entire disclosure of which is hereby incorporated by reference.

Background of Invention--

Please amend page 2, line 33, by inserting the following paragraph and heading:

0990537 " 111601  
--While WO99/24080 does describe means by which para-hydrogen hydrogenation may be effected, we have now found that hydrogenation to harness for MRI the p-H<sub>2</sub> and/ or o-D<sub>2</sub> induced hyperpolarization, the hydrogenation reaction is particularly favourably performed by mixing gaseous para-hydrogen and/or ortho-deuterium enriched hydrogen (i.e. where the p:o ratio of <sup>1</sup>H<sub>2</sub> is greater than 1:3, particularly greater than 3:7, more particularly greater than 1:1 and/or the o:p ratio of <sup>2</sup>H<sub>2</sub> is greater than 3:2, particularly greater than 3:1, more particularly greater than 4:1) with a spray of a solution of the unsaturated compound and a hydrogenation catalyst.

Summary of Invention--

Please amend page 3, lines 17-27, by deleting the following paragraph:

[While WO99/24080 does describe means by which para-hydrogen hydrogenation may be effected, we have now found that hydrogenation to harness for MRI the p-H<sub>2</sub> and/ or o-D<sub>2</sub> induced hyperpolarization, the hydrogenation reaction is particularly favourably

performed by mixing gaseous para-hydrogen and/or ortho-deuterium enriched hydrogen (i.e. where the p:o ratio of  $^1\text{H}_2$  is greater than 1:3, particularly greater than 3:7, more particularly greater than 1:1 and/or the o:p ratio of  $^2\text{H}_2$  is greater than 3:2, particularly greater than 3:1, more particularly greater than 4:1) with a spray of a solution of the unsaturated compound and a hydrogenation catalyst.]

Please amend page 5, line 35, by inserting the following paragraph and headings:

--Brief Description of the Figures

Figure 1 is a schematic view of one apparatus according to the invention;

Figure 2 is a schematic view of part of the apparatus of Figure 1;

Figure 3 is a schematic view of a further part of the apparatus of Figure 1; and

Figure 4 is a schematic view of a further aspect of the present invention.

Detailed Description of the Invention--

Please amend page 13, lines 8-19, by deleting the following text:

[Embodiments of the process and apparatus of the invention will now be described with reference to the following non-limiting Example and to the accompanying drawings, in which:

Figure 1 is a schematic view of one apparatus according to the invention;

Figure 2 is a schematic view of part of the apparatus of Figure 1;

Figure 3 is a schematic view of a further part of the apparatus of Figure 1; and

Figure 4 is a schematic view of a further aspect of the present invention.]

Please amend page 15, line 5, by inserting the following heading and paragraph:

--Examples

The following example is illustrative of certain preferred embodiments of the invention but is not intended to be illustrative of all embodiments.--

Please amend page 17, line 23, by inserting the following paragraph:

-- It is apparent that many modifications and variations of the invention as hereinabove set forth may be made without departing from the spirit and scope thereof. The specific embodiments described are given by way of example only, and the invention is limited only by the terms of the appended claims.--

In the Claims

Please amend page 18, line 1, as follows:

[Claims]

What is claimed is:

Please cancel claim 13, without prejudice.